

Contents Volume 26 1990/1991

<i>Introduction</i> , by A.R. Woolley and M. Ross	1
Experimental boundaries for the origin and evolution of carbonatites	3
P.J. Wyllie, M.B. Baker and B.S. White (Pasadena, Calif., U.S.A.)	3
Isotope studies on alkaline volcanics and carbonatites from the Kaiserstuhl, Federal Republic of Germany	21
H. Schleicher, J. Keller (Freiburg, F.R.G.) and U. Kramm (Münster, F.R.G.)	21
Mantle carbonatite eruptions: Crustal context and implications	21
D.K. Bailey (Bristol, U.K.)	37
The Bayan Obo iron-rare-earth-niobium deposits, Inner Mongolia, China	43
L.J. Drew (Reston, Va., U.S.A.), Meng Qingrun and Sun Weijun (Tianjin, China)	43
Alkaline igneous rocks of Magnet Cove, Arkansas: Mineralogy and geochemistry of syenites	67
M.J.K. Flohr and M. Ross (Reston, Va., U.S.A.)	67
Mineralogy and geochemistry of altered rocks associated with Lemitar carbonatites, central New Mexico, U.S.A.	99
V.T. McLemore (Socorro, N. Mex., U.S.A.) and P.J. Modreski (Denver, Colo., U.S.A.)	99
The A-type granitoids: A review of their occurrence and chemical characteristics and speculations on their petrogenesis	115
G.N. Eby (Lowell, Mass., U.S.A.)	115
A review of the compositional variation of amphiboles in alkaline plutonic complexes	135
R.H. Mitchell (Thunder Bay, Ont., Canada)	135
Volatiles in alkaline magmatism	157
D.K. Bailey and C.M. Hampton (Bristol, U.K.)	157
Ore-forming potential of alkaline magmas	167
L.N. Kogarko (Moscow, U.S.S.R.)	167
Conditions for crystallization and concentration of perovskite-type minerals in alkaline magmas	177
I.V. Veksler and M.P. Teptev (Moscow, U.S.S.R.)	177
Petrogenesis and tectonic setting of the Roman Volcanic Province, Italy	191
L. Beccaluva (Ferrara, Italy), P. Di Girolamo (Napoli, Italy) and G. Serri (Pisa, Italy)	191
High and low pressure phase equilibria of a mildly alkalic lava from the 1965 Surtsey eruption: Experimental results	223
P. Thy (Houston, Tex., U.S.A.)	223
Geochemical consequences of flow differentiation in a multiple injection dike (Trinity ophiolite, N. California)	245
M. Brouxel (Denver, Colo., U.S.A.)	245
High and low pressure phase equilibria of a mildly alkalic lava from the 1965 Surtsey eruption: Implications for the evolution of mildly alkalic and transitional basalts in the south-eastern propagating rift zone of Iceland	253
P. Thy (Houston, Tex., U.S.A.)	253
Chemistry, reaction mechanisms and microstructures during retrograde metamorphism of gedrite-biotite-plagioclase bearing rocks from Bergslagen, south-central Sweden	271
E.A. Ferrow (Lund, Sweden) and M. Ripa (Uppsala, Sweden)	271
Late Variscan tectonic evolution by thinning of earlier thickened crust. An ^{40}Ar - ^{39}Ar study of the Montagne Noire, southern Massif Central, France	287
H. Maluski, S. Costa and H. Echtler (Montpellier, France)	287
Shoshonitic and ultrapotassic post-collisional dykes from northern Karakorum (Sinkiang, China)	305
U. Pognante (Torino, Italy)	305
An empirical sapphirine-spinel Mg-Fe exchange thermometer and its application to high grade xenoliths in the Popes Harbour dyke, Nova Scotia, Canada	317
J. Victor Owen (Halifax, N.S., Canada) and J.D. Greenough (Saskatoon, Sask., Canada)	317
Author Index Volume 26, 1990	333
Contents Volume 26, 1990	335